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# REFERENCE SOURCES FOR MARINE MAMMALOGY

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Fish and Wildlife Service, Arnie J. Suomela, Commissioner
Bureau of Commercial Fisheries, Donald L. McKernan, Director

# REFERENCE SOURCES FOR MARINE MAMMALOGY

by

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## INTRODUCTION

The main purpose of this list is to answer the question "Which sources should be consulted in order to keep informed on the current literature of marine mammalogy?" Sections A-E seek to accomplish this objective by indicating abstracts, indexes, review journals, periodicals in the field of mammalogy, and special periodicals devoted to aquatic mammalogy.

A second purpose is to provide some entry to the older literature, and to mention some of the important systematic accounts. These items are found in section F.

Only scholarly periodicals and abstracting media have been considered, to the exclusion of popular, semi-popular and news-type material. Also, government documents, with a few exceptions, have not been introduced; thus the omission of such reference works as, e.g., Readers Guide, The New York Times Index, and the Monthly Catalog of U. S. Government Publications.

The term "marine mammals" as used here focuses primarily on cetaceans and pinnipeds. No effort has been made to collect special sources of literature on sirenians, the sea otter, and the polar bear.

Most items treat of aquatic mammalogy in its biological aspect. Some, however, concentrate on other phases, e.g., historical (A1 and E4), economic (A6, A14, E1 and E2), and technological (A5, A6, A14 and E2).

The present list (40 entries) has been compiled at the suggestion of the Office of Marine Mammal Research, U. S. Fish and Wildlife Service, Seattle, Washington. Criticism of the list is invited.

# ABSTRACTS

A1 ARCTIC INSTITUTE OF NORTH AMERICA. ARCTIC BIBLIOGRAPHY; prepared for and in cooperation with the Department of Defense under the direction of the Arctic Institute of North America. vol. 1, 1953+ Washington, Department of Defense [for sale by Superintendent of Documents, Government Printing Office, Washington 25, D. C.]. Irregular.

Volume 3 is index to volumes 1 and 2, subsequent volumes have their own indexes. Items are arranged alphabetically by author, index includes in one alphabet biological, geographical and broad subject terms.

Just short of 50,000 items have been listed in the 8 volumes published thus far.

A2 BERICHTE ÜBER DIE WISSENSCHAFTLICHE BIOLOGIE (BERICHTE ÜBER DIE GESAMTE BIOLOGIE, ABT. A) vol. 1, 1926+ Berlin, Springer. Monthly.

Vol. 70, 1950+ "referierendes Organ der Deutschen Botanischen Gesellschaft"; vol. 94, 1955+ "referierendes Organ der Deutschen Zoologischen Gesellschaft."

Subject arrangement; author index in each number. Each volume contains a special index number for authors and subjects.

A3 BIBLIOGRAPHIA OCEANOGRAPHICA. vol. 1, 1928 (1929)+ Latest volumes (23 for 1950 and 28 for 1955) issued by the Consiglio nazionale delle richerche, Rome, 1956 and 1959 respectively (1951-54 not yet published). Annual.

Title varies: vol. 1: Bibliographie generale des sciences de la mer.

Alphabetical author index included in each volume. Subject indexes only in volumes 1-15, where mammals are listed by species.

Glossary of Latin--Italian-French-German-English terms included in volume 8. Volume 23+ has text in Italian and English.

Table of contents indicates subject arrangement.

A4 BIOLOGICAL ABSTRACTS; FROM THE WORLD'S BIOLOGICAL RESEARCH LITERATURE. vol. 1, 1926 (1927)+ Philadelphia, University of Pennsylvania. Monthly up to Aug. 1959; semimonthly, vol. 35, 1960+

Each issue is arranged by subject categories and has alphabetical author index. Each volume contains author, taxonomic, geographical, geological, subject indexes. Common names of aquatic mammals appear in subject index, scientific names in taxonomic index (1956+). Subject finder list for fishery biology included since January 1957.

Since January 1939 published also in sections, covering general biology; basic medical sciences; microbiology, immunology, public health and parasitology; plant sciences; and animal sciences.

A5 CHEMICAL ABSTRACTS. vol. 1, 1907+ Easton, Pa., American Chemical Society. Semimonthly.

Continues: Review of American chemical research.

Each issue is arranged by broad categories and contains author and patent indexes.

Annual author and subject indexes, the latter including formulas and patents. Decennial indexes for authors and subjects, 1917- ; for patents, 1937- ; 27-year collective formula index, 1920-1946.

In subject indexes aquatic mammals are listed by species.

A6 COMMERCIAL FISHERIES ABSTRACTS. vol. 1, 1948+ Washington, U. S. Fish and Wildlife Service. Monthly.

Each issue has alphabetical subject index. Triennial indexes as follows: 1948-1950; 1951-1953 which are by subject and author. 1948-50 has heading and subheadings for "Whales and whaling"; 1951-53 has heading and subheadings for "Whales and other marine mammals."

U. S. Fish and Wildlife Service, Fishery Leaflet 232, "Fishery Technology Abstract Card System," by M. E. Stansby and others, rev. 1956, can be used as instruction manual for classification scheme. For alphabetical subject approach see World Fisheries Abstracts handbook.

A7 CURRENT BIBLIOGRAPHY FOR AQUATIC SCIENCES AND FISHERIES; prepared by Biology Branch, Fisheries Division FAO. vol. 1, 1958+ Rome, Food and Agriculture Organization of the United Nations. Publisher 1960+ : London, Taylor & Francis. Monthly.

Continues: Current bibliography for fishery science (April 1958-January 1959). Processed 1958-59; printed 1960+

Indexes for each issue and cumulative annual ones as follows: author, arranged alphabetically; taxonomic, arranged by code number derived from a classification scheme issued as supplement to vol. 1, No. 6; geographic, arranged by code number derived from a classification scheme issued as supplement to vol. 1, No. 3.

Includes directions for use.

Partially annotated.

A8 DISSERTATION ABSTRACTS; A GUIDE TO DISSERTATIONS AND MONOGRAPHS AVAILABLE IN MICROFORM. vol. 1, 1938+ Ann Arbor, University Microfilms. Monthly.

Continues: Microfilm abstracts.

Each issue has alphabetical author index; each volume has cumulative author index; some have subject indexes. Separate booklet contains complete author indexes covering volumes 1-11 (1938-50) of microfilm abstracts.

Each issue has table of contents listing "in alphabetical order the principal subject headings of the dissertations abstracted."

A9 INTERNATIONAL ABSTRACTS OF BIOLOGICAL SCIENCES. vol. 1, 1954+ London, New York, Pergamon Press. Frequency varies, about 12 issues annually.

Title varies: January 1954-May 1956, British abstracts of medical sciences.

Each volume has alphabetical author index and subject index; each species indexed separately. Contents arranged according to general headings.

A10 JAPAN SCIENCE REVIEW; BIOLOGICAL SCIENCES. BIBLIOGRAPHY AND ABSTRACTS. No. 1, 1949/50+ Japan, Ministry of Education. Annual (No. for 1957 published 1959)

Edited by various scientific and educational societies. English language abstracts of articles in Japanese periodicals.

"The contents are classified into four categories, namely zoology, botany, genetics and applied biology." Each category with its subdivisions contains a list of papers arranged alphabetically by author. The second section of each volume consists of abstracts of the more important papers.

Section 12 of "Applied biology" covers hydrobiology and fisheries.

A11 REFERATIVNYI ZHURNAL: BIOLOGIIA. REFERATY. 1954+ Moskva, Akademiia nauk SSSR (issued by its Institut nauchnoi informatsii). Semimonthly.

Each issue contains author index.

Arranged by broad subject fields.

A12 WILDLIFE ABSTRACTS; AN ANNOTATED BIBLIOGRAPHY OF THE PUBLICATIONS ABSTRACTED IN THE WILDLIFE REVIEW Nos. 1-66, 1935-51 [published 1954]; Nos. 67-83, 1952-55 [published 1957] Washington, Government Printing Office, 2 vols.

1935/51 compiled by Neil Hotchkiss; 1925/55 by Lucille F. Stickel. Volume 1 has over 10,000 abstracts; volume 2, 6620 entries.

Volume 1 has combined author and subject index by fairly large groupings; volume 2 has separate author and subject indexes, the latter for species, geographic units, and selected subjects.

Only table of contents of volume 2 has separate entry for "Marine mammals."

Partially annotated.

A13 WILDLIFE REVIEW; AN ABSTRACTING SERVICE FOR WILDLIFE MANAGEMENT ISSUED FOR THE INFORMATION OF COOPERATORS. No. 1, 1935+ Laurel, Md., U. S. Fish and Wildlife Service. Irregular.

Indexes: 1-7, in No. 7; 8-17 in No. 18; 19-24 in No. 25; 26-33 in No. 33; 34-42 in No. 42; 43-50 in No. 50.

A14 WORLD FISHERIES ABSTRACTS; A BIMONTHLY REVIEW OF TECHNICAL LITERATURE ON FISHERIES AND RELATED INDUSTRIES. vol. 1, 1950+ Rome, Food and Agriculture Organization of the United Nations.

A review of the world's technical literature on fisheries and related subjects. Over 200 periodicals and publications from 31 countries are regularly searched, and 700 of the more important articles are abstracted annually.

Handbook, published 1950, gives instructions and contains classification scheme and alphabetical subject list. On page 54, under the heading "aquatic mammals," subdivision and cross references are given.

From volume 2 on "the abstracts are arranged in sections according to main subjects indicated on the right hand margin of each page."

## INDEXES

B1 POLAR RECORD; A JOURNAL OF ARCTIC AND ANTARCTIC EXPLORATION AND RESEARCH; issued by the Scott Polar Institute. vol. 1, 1931+ Cambridge, Cambridge University Press. Three issues yearly.

Cumulative index for each volume for authors, geographical terms, and general terms.

Original articles, expeditions, reviews.

Included here because of its section "Recent polar literature" (called "Recent polar books" 1931-38) which lists with one sentence annotations current output of articles and books on polar subjects.

B2 ZOOLOGICAL RECORD; BEING RECORDS OF ZOOLOGICAL LITERATURE RELATING CHIEFLY TO THE YEAR. . . vol. 1, 1865+ London, Zoological Society. Annual (vol. 93 for 1956, published 1959).

Arranged in sections, one of which is Mammalia. Each section has systematic and subject index.

## REVIEW JOURNALS

C1 BIOLOGICAL REVIEWS. vol. 1, 1923+ Cambridge, Cambridge University Press. Quarterly.

Title varies: vol. 1, Proceedings of the Cambridge Philosophical Society. Biological sciences; vols. 2-10, No. 1, Biological reviews and biological proceedings of the Cambridge Philosophical Society; vol. 10, No. 2, Biological reviews of the Cambridge Philosophical Society.

Cumulative indexes: vols. 2-10 in vol. 10; vols. 11-20 in vol. 20.

Three to four review articles per issue.

C2 BIOLOGISCHES ZENTRALBLATT. vol. 1, 1881+ Leipzig, Thieme. Bimonthly.
Cumulative author index: vols. 1-50 in vol. 50.
Original articles, book reviews.

C3 FORTSCHRITTE DER ZOOLOGIE. vol. 1, 1935+ Stuttgart, G. Fischer. Irregular.
Continues: Ergebnisse und Fortschritte der Zoologie. vol. 2+ "im Auftrage der Deutschen Zoologischen Gesellschaft."
Review articles.

C4 QUARTERLY REVIEW OF BIOLOGY. vol. 1, 1926+ Washington, American Institute of Biological Sciences.
Original articles, book reviews in subject arrangement.

## PERIODICALS IN MAMMALOGY

D1 HONYU DOBUTSUGAKU ZASSHI (THE JOURNAL OF THE MAMMALOGICAL SOCIETY OF JAPAN) Nihon Honyu Dobutsu Gakkai (The Mammalogical Society of Japan) Kokuritsu Kagaku Hakubutsukan (The National Science Museum) Ueno Koen, Taito-ku, Tokyo, 1952+ Irregular.
Japanese text, English summaries.

D2 JOURNAL OF MAMMALOGY. vol. 1, 1919+ Baltimore, American Society of Mammalogists. Quarterly.
Indexes: vols. 1-20, vols. 21-30.
Reviews, lists of recent literature.

D3 MAMMALIA; MORPHOLOGIE, BIOLOGIE, SYSTEMATIQUE DES MAMMIFERES. vol. 1, 1936+ Paris, Museum National d'Histoire Naturelle. Quarterly.
Original articles, book reviews, colloquia.

D4 NIHON HONYU DOBUTSU GAKKAIHO (THE TRANSACTIONS OF THE MAMMALOGICAL SOCIETY OF JAPAN) Nihon Honyu Dobutsu Gakkai (The Mammalogical Society of Japan) Kokuritsu Kagaku Hakubutsukan (National Science Museum) Ueno Koen, Taito-ku, Tokyo, 1951+ Irregular.
Japanese text, English summaries.

D5 SAUGETIERKUNDLICHE MITTEILUNGEN. vol. 1, 1953+ Stuttgart, Franckh'sche Verlagsbuchhandlung. Quarterly.
Original articles, abstracts, book reviews.

D6 ZEITSCHRIFT FUR SAUGETIERKUNDE. vol. 1, 1928+ Hannover, Verlag Naturkunde. Quarterly.
"Im Auftrage der Gesellschaft für Säugetierkunde"
Book reviews.

## SPECIAL PERIODICALS IN AQUATIC MAMMALOGY

E1 HVALRÅDET. INTERNATIONAL WHALING STATISTICS (NORSKE HVALRÅDS STATISTISKE PUBLIKASJONER) edited by the Committee for Whaling Statistics. No. 1, 1930+ Oslo. Semiannual. (No. 42 contains results of 1957-58) Suspended 1941-45.
Statistics on Antarctic whaling.

E2 NORSK HVALFANGST-TIDENDE (THE NORWEGIAN WHALING GAZETTE) No. 1, 1912+ Sandefjord. Monthly.
Contents given yearly at the end of each volume.
Articles, statistics. English and Norwegian text.

E3 NORSKE VIDENSKAPS-AKADEMI I OSLO. HVALRÅDETS SKRIFTER; SCIENTIFIC RESULTS OF MARINE BIOLOGICAL RESEARCH. Edited by Universitetets Institutt for Marin Biologi and Statens Institutt for Hvalforskening. No. 1, 1931+ Oslo, I Kommisjon Hos H. Aschehough. Irregular.
Nos. 1-20 indexed in its Register. . . 1925-39.
No. 30 is "A Bibliography of whales and whaling; selected papers from the Norwegian research work 1860-1945," by Torbjørn Pedersen and Johan T. Ruud.
Original papers.

E4 SANDEFJORD, NORWAY. HVALFANGSTMUSSEET. PUBLIKATIONER. No. 1, 1917+ Bergen. Irregular.
Nos. 17, 18, 20, 21 are Nos. 1-4 the "Scientific results of the 'Brategg' expedition, 1947-48."
Articles and reports on whaling.

E5 WHALES RESEARCH INSTITUTE, TOKYO. SCIENTIFIC REPORTS, No. 1, 1948+ Tokyo. Irregular, about one number yearly. Original papers.

## SYSTEMATIC ACCOUNTS AND NON-CURRENT REFERENCE SOURCES

F1 ALLEN, Joel Asaph. HISTORY OF NORTH AMERICAN PINNIPEDS; A MONOGRAPH OF THE WALRUSES, SEA-LIONS, SEA-BEARS AND SEALS OF NORTH AMERICA. (U. S. Geological Survey. Miscellaneous publications, No. 12) Washington, Government Printing Office, 1880. 785 p.
Alphabetical index for families, genera and species. Table of contents.
Appendix A, p. 757-764, lists "material examined."
Bibliographical references.

F2 ALLEN, Joseph Asaph. PRELIMINARY LIST OF WORKS AND PAPERS RELATING TO THE MAMMALIAN ORDERS CETE AND SIRENIA. (U. S. Geological and Geographical Survey of the Territories. Bulletin, vol. 6, No. 3) 1881. p. 399-562.

The 1013 items are arranged chronologically, covering the material between 1495-1845.

The author states in the introduction that material to the end of 1880 has been included and that an index has been provided. The published work, however, covers only one third of the material and does not contain an index. According to a note of the author in the American Museum of Natural History Bulletin vol. 24, 1908, p. 279, this omission was due to his illness. The remaining material does not seem to have been published.

F3 FISHERY PUBLICATION INDEX, 1920-1954; PUBLICATIONS OF THE BUREAU OF FISHERIES AND FISHERY PUBLICATIONS OF THE FISH AND WILDLIFE SERVICE, BY SERIES, AUTHORS AND SUBJECTS. (U. S. Fish and Wildlife Service. Circular No. 36) Washington, Government Printing Office, 1955. 254 p.

Only fishery subjects are listed in this index. Contains: (1) a numerical list of each publication series, (2) an alphabetical author index, (3) an alphabetical subject index.

For Bureau of Fisheries publications prior to 1920, see Rose M. E. MacDonald's "Analytical subject bibliography. . . 1871-1920."

F4 INTERNATIONAL COUNCIL FOR THE STUDY OF THE SEA. CURRENT BIBLIOGRAPHY. vol. 1-24, 1926-1959. Copenhague, Høst. Three numbers annually. Discontinued because material is now being handled in Current Bibliography for Aquatic Sciences and Fisheries.

Volume 1, Nos. 1-2 is combined number with special title: "A selected bibliography of marine bionomics and fishery investigation," by E. J. Allen.

Each number extracted from Journal du Conseil International pour l'Exploration de la Mer. "The scope of the Bibliography is limited in the main to the area covered by the Council's activities, but there are included papers of general interest relating to other areas in North Temperate and Arctic regions and exceptionally elsewhere."

Volumes 1-21 have section on "Whales and seals" (numbered "80" starting with vol. 13); vols. 22-24 have section, "Mammals and reptiles" (numbered "8").

F5 JENKINS, James Travis. BIBLIOGRAPHY OF WHALING. London, Society for the Bibliography of Natural History, 1948. p. 71-166.

Reprinted from the Journal of the Society for the Bibliography of Natural History, vol. 2, pt. 4, p. 71-166.

Arranged alphabetically by author. Covers material up to 1939.

F6 MACDONALD, Rose Mortimer Ellzey. AN ANALYTICAL SUBJECT BIBLIOGRAPHY OF THE PUBLICATIONS OF THE BUREAU OF FISHERIES, 1871-1920 (U. S. Bureau of Fisheries. Document No. 899) Washington, Government Printing Office, 1921. 306 p.

"An analysis of the reports, appendixes, special papers, bulletins, economic circulars, occasional papers and of 'The Fisheries and Fishery Industries'."

Pt. 4, p. 223-230 is section on Mammals.

For publications after 1920, see Fishery publication index, 1920-1954.

F7 SCHEFFER, Victor Blanchard. SEALS, SEA LIONS, AND WALRUSES; A REVIEW OF THE PINNIPEDIA. Stanford, Calif., Stanford University Press, 1958. 179 p.

Bibliography, p. 157-176.

F8 TOMILIN, A. G. KITOOBRAZNYE [Cetacea]. (Zveri SSSR i prilezhashchikh stran, vol. 9) Moskva, Akademiia nauk SSSR, 1957. 756 p.

Most recent comprehensive treatise on biology of whales. References follow individual sections.

F9 ZOOLOGISCHER JAHRESBERICHT. hrsg. von der Zoologischen Station zu Neapel. Berlin, R. Friedlander, 1879-1913 (1880-1924). Annual.

Each volume has author index (and subject index 1879-85). Cumulative author indexes 1886-90, 1891-1900, 1901-10. Cumulative subject index 1886-90.

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